

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Stanley et al.

Art Unit: 1648

Application No. 10/029,430

CERTIFICATE OF MAILING

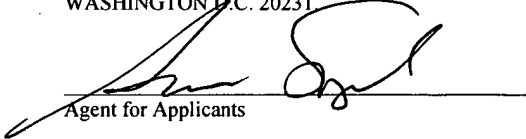
Filed: December 18, 2001

For: ANTIGEN PREPARATION AND USE

Examiner: Not yet assigned

Date: May 23, 2002

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service on May 23, 2002, as First Class Mail in an envelope addressed to:
BOX SEQUENCE, COMMISSIONER FOR PATENTS,
WASHINGTON D.C. 20231


Agent for Applicants

TRANSMITTAL LETTER

BOX SEQUENCE
COMMISSIONER FOR PATENTS
Washington, DC 20231

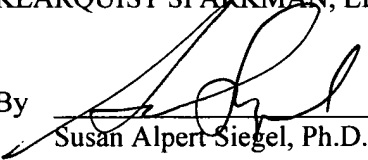
Enclosed for filing in the application referenced above are the following:

- ☒ Copy of Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures dated April 30, 2002.
- ☒ Sequence Listing:
 - ☒ Paper Copy (2 pages).
 - ☒ Diskette
 - ☒ Statement in Compliance.
- ☒ The Director is hereby authorized to charge any additional fees which may be required, or credit over-payment, to Account No. 02-4550. A copy of this sheet is enclosed.
- ☒ Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By


Susan Alpert Siegel, Ph.D.
Registration No. 43,121

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 226-7391
Facsimile: (503) 228-9446

cc: Docketing



UNITED STATES PATENT AND TRADEMARK OFFICE

Xenova/SAS
 COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
 www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/029,430	12/18/2001	Margaret Anne Stanley	5673-61953

KLARQUIST SPARKMAN CAMBELL, LLP
 One World Trade Center, Suite 1600
 121 S.W. Salmon Street
 Portland, OR 97204

DOCKETED FOR 6/30/02
 11/30/02

CONFIRMATION NO. 6443

FORMALITIES LETTER



OC000000007985653

BPR

ANN. SVE

Date Mailed: 04/30/2002

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

*A copy of this notice **MUST** be returned with the reply.*

[Signature]
 Customer Service Center
 Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

01/PE JUN 03 2002

**RAW SEQUENCE LISTING
ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/029,430
Source: 01/PE
Date Processed by STIC: 4/16/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

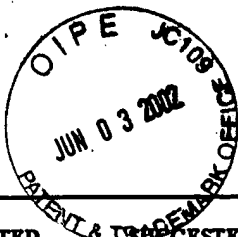
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

COPY



Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/029,430

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001

COPY



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/029,430

DATE: 04/16/2002

TIME: 10:05:10

Input Set : A:\ANTIGEN PREPARATION AND USE.ST25.txt

Output Set: N:\CRF3\04162002\J029430.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Xenova Research Limited
4 Stanley, Margaret Anne
5 Zhang, Wei
7 <120> TITLE OF INVENTION: ANTIGEN PREPARATION AND USE
9 <130> FILE REFERENCE: 5673-61953
11 <140> CURRENT APPLICATION NUMBER: US/10/029,430
11 <141> CURRENT FILING DATE: 2002-04-03
11 <150> PRIOR APPLICATION NUMBER: PCT/GB99/00978
12 <151> PRIOR FILING DATE: 1999-12-29
14 <150> PRIOR APPLICATION NUMBER: GB06666-6
15 <151> PRIOR FILING DATE: 1999-12-27
17 <150> PRIOR APPLICATION NUMBER: 09/647,486
18 <151> PRIOR FILING DATE: 2000-11-09
20 <160> NUMBER OF SEQ ID NOS: 4
22 <170> SOFTWARE: PatentIn version 3.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 32
26 <212> TYPE: DNA
27 <213> ORGANISM: synthetic construct
29 <400> SEQUENCE: 1
30 gctgcaagat ctatgtctct ttggctgcct ag
33 <210> SEQ ID NO: 2
34 <211> LENGTH: 81
35 <212> TYPE: DNA
36 <213> ORGANISM: synthetic construct
38 <400> SEQUENCE: 2
39 gctgcaagat ctatggtaga ttttatagta aatgataatg attatttaac acaggcagaa
41 totcttttggc tgctagtga g
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 96
46 <212> TYPE: DNA
47 <213> ORGANISM: synthetic construct
49 <400> SEQUENCE: 3
50 gctgcaagat ctatgtacga taatgacata gtagacgata gtgaaattgc atataaatat
52 gcacaattgg cagacgtaga ttttatagta aatgat
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 38
57 <212> TYPE: DNA
58 <213> ORGANISM: synthetic construct
60 <400> SEQUENCE: 4
61 gatctagcgg ccgcttacag cttacgcttc ttgcgttt

32

60

81

60

96

38

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/029,430

DATE: 04/16/2002

TIME: 10:05:11

Input Set : A:\ANTIGEN PREPARATION AND USE.ST25.txt

Output Set: N:\CRF3\04162002\J029430.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

COPY